

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled):
2. (canceled):
3. (canceled):
4. (canceled):
5. (currently amended): An on-vehicle DSRC apparatus employed for a dedicated short-range communication in an intelligent transport system, comprising:
 - a radio unit for performing communication with an on-road radio equipment installed at a location associated with a road;
 - a data processing unit for processing data received from said radio unit;
 - a battery for supplying an electric power to said radio unit and said data processing unit;
 - and
 - a first power switch inserted in a power supply line extending between said battery on one hand and said radio unit and said data processing unit on the other hand,
 - wherein said first power switch is imparted with a function for effectuating a power save for control for the power supply from said battery so that electric energy of said battery can be saved,
 - said on-vehicle DSRC apparatus further comprising:

an electric field intensity detecting circuit for detecting a field intensity of radio wave transmitted from said on-road radio equipment;

an activating circuit for activating said first power switch when a detection output of said electric field intensity detecting circuit becomes higher than a predetermined level inclusive thereof;

a second power switch inserted in a power supply line extending between said battery and said electric field intensity detecting circuit for controlling the power supply to said electric field intensity detecting circuit from said battery; and

a ~~second~~first timer for intermittently driving said second power switch.

6. (currently amended): An on-vehicle DSRC apparatus according to claim 5, further comprising:

a ~~second~~ switch control unit for controlling the power supply through said second power switch and interruption thereof in response to an output signal of said data processing unit.

7. (currently amended): An on-vehicle DSRC apparatus according to claim 6, further comprising:

a ~~third~~second timer for delaying starting of the power supply through of said second power switch in response to an output signal issued from said second switch control unit.

8. (canceled):

9. (canceled):

10. (currently amended): An on-vehicle DSRC apparatus employed for a dedicated short-range communication in an intelligent transport system, comprising:

a radio unit for performing communication with an on-road radio equipment installed at a location associated with a road;

a data processing unit for processing data received from said radio unit;

a battery for supplying an electric power to said radio unit and said data processing unit;

and

a first power switch inserted in a power supply line extending between said battery and said radio unit and said data processing unit,

wherein said first power switch effectuates a power save for control for the power supply from said battery so that electric energy of said battery can be saved~~An on-vehicle DSRC apparatus according to claim 8,~~

said on-vehicle DSRC apparatus further comprising:

a third power switch provided on output side of said battery, and

a vibration detecting switch control unit for turning on/off said ~~third~~ second power switch,

wherein said vibration detecting switch control unit is so designed as to turn off said ~~third~~ second power switch when a vibration of a level lower than a predetermined level is detected and while turning turns on said ~~third~~ second power switch upon detection of the vibration ~~of at a~~ level higher than said predetermined level ~~inclusive~~.

11. (canceled):

12. (canceled):

13. (canceled):

14. (currently amended): An on-vehicle DSRC apparatus employed for a dedicated short-range communication in an intelligent transport system, comprising:
- a radio unit for performing communication with an on-road radio equipment installed at a location associated with a road;
 - a data processing unit for processing data received from said radio unit;
 - a battery for supplying an electric power to said radio unit and said data processing unit;
- and
- a first power switch inserted in a power supply line extending between said battery and said radio unit and said data processing unit,
- wherein said first power switch effectuates a power save for control for the power supply from said battery so that electric energy of said battery can be saved~~An on-vehicle DSRC~~
- ~~apparatus according to claim 1,~~
- said on-vehicle DSRC apparatus further comprising:
- a connector provided on the output side of said battery,
- wherein said connector is so structured as to allow said battery to be removable.

15. (canceled):